# *Bangalore water supply and sewerage board*

**Office of The Executive Engineer, (West)-2 Division, CA site No.04, Sir M V layout, 1st block, Bangalore-560 056.**

**Office Contact no. 080-29911823**

# Tender Document for the work of

**Tender for the work of Supplying, installation commissioning of two electromagnetic induction bulk flow meters approved make to the feeder mains near KLE law college, SMV layout 6th block coming under SMV-1 s/stn of AEEW2-2 sub division.**

| | | |
|---|---|---|
| TENDER REFERENCE : | : | **IFT No.:BWSSB/EE(W)-2/PB/112/ 2023-24 DATED:15.05.2023** |
| PERIOD OF SUBMISION OF TENDER DOCUMENT : | : | From: 18.05.2023 to 07.06.2023 |
| LAST DATE FOR SUBMISION OF TENDER DOCUMENT : | : | 05.06.2023 upto 15.00 hrs |
| LAST DATE AND TIME FOR RECEIPT OF TENDERS : | : | 05.06.2023 upto 15.00 hrs |
| TIME AND DATE OF OPENING OF TENDERS: | : | 07.06.2023upto 15.00 hrs |
| PLACE OF OPENING OF TENDERS | : | *Office of the Executive Engineer ( West)-2 Division Bangalore Water Supply & Sewerage Board CA site No.04, SMV layout, 1st block, , Bangalore -560056.* |
| ADDRESS FOR COMMUNICATION | : | *Office of the Executive Engineer ( West)-2 Division Bangalore Water Supply & Sewerage Board CA site No.04, SMV layout, 1st block, , Bangalore -560056.* |

## Contents


| Section No. | Description | Page |
|---|---|---|
| 1 | INVITATION FOR TENDERS (IFT) | 4-6 |
| 2 | INSTRUCTIONS TO TENDERERS (ITT) | 7-15 |
| 3 | FORM OF TENDER AND QUALIFICATION INFORMATION | 16-22 |
| 4 | CONDITIONS OF CONTRACT (CC) | 23-36 |
| 5 | CONTRACTDATA | 37-38 |
| 6 | SPECIFICATIONS | 39 |
| 7 | DRAWINGS | 42 |
| 8 | BILL OF QUANTITIES | 43 |

# BANGALORE WATER SUPPLY AND SEWERAGE BOARD
## Office of The Executive Engineer, (West-2) Division
## CA site No.04, SMV layout, 1st block, Bangalore-560 056.

### Section 1 : INVITATION FOR TENDER

### (ONLY THROUGH E-PROCUREMENT PORTAL)

**IFT No.: BWSSB / EE(W-2) / PB/112 / 2023-24 Dtd: 15.05.2023.**

For and on behalf of the Bangalore Water Supply and Sewerage Board, SHORT TERM ITEMWAR TENDER is invited through e-procurement process with tender procedure in line with Rule 28 of the KTPP Act by the Executive Engineer, Water Supply and Sanitary Division (West-2), CA Site No.04, SMV layout, 1st block, Bangalore-560 056 for the following work from registered Agencies of appropriate class as indicated against each work of BWSSB/KUWSDB/KPWD, etc. Who are having adequate financial resources, past experience in similar nature of work possessing valid GST registration. The Board keeps the right of acceptance or rejection of any tender without assigning any reasons.

The Tenderers are required to pay the Earnest Money Deposit only through e-procurement portal using any of the four modes.

1. (1)Credit Card (Online Payment) (2) Direct Debit Using Internet Banking (Online Payment) (3) Remittance at the Bank Counter - Challan (Offline Payment) (4) NEFT (National Electronic fund transfer) (Offline payment). The details regarding their capability to undertake the tender (as detailed in ITT Clause 4) and the price tender shall be uploaded in the website. Technical details will be opened on the date and time mentioned in IFT clause 6 and evaluated. The price tender of the Tenderer, who is found to be qualified to execute the tendered works, will be opened on the date notified later. The Tenderers are advised to note the minimum qualification criteria specified in Clause 3 of the Instructions to Tenderers to qualify for award of the contract.

2. Tender documents may be downloaded from www.eproc.karnataka.gov.in website only. Interested tenderers may obtain further information at the same address.

3. Additional information related to e-procurement process can be obtained through the above mentioned website or contact e-procurement helpdesk No.**080-2550 1216 / 2550 1227**. The electronic tender comprising Technical and Financial bids will be operated as **Single Stage Tender system.**

4. Bidders can access tender documents from www.eproc.karnataka.gov.in website only and upload the required details; those are mentioned in different sections in the bid document in to electronic tender on the website.

Scanned documents those are required to be furnished as per Section 2, 3 & 4 of the bid document shall be submitted through e- procurement.

5. The Tender processing fee once paid will not be refunded.

6. **Date of publication is on 18.05.2023 and the l**ast date and time for, Receipt of tenders will be on

   **05.06.2023 up to 15:00 Hrs** and the date of opening of tender will be on **07.06.2023 after 15.00 Hrs.**

| **Sl. No** | **Name of work** | **Approx. Amount put to tender in Rs.** | **E.M.D (2.5%) in Rs.** | **Tender Processing fee** | **Period of completion** | **Remarks** |
|---|---|---|---|---|---|---|
| 1 | Tender for the work Supplying, installation commissioning of two electromagnetic induction bulk flow meters approved make to the feeder mains near KLE law college, SMV layout 6th block coming under SMV-1 s/stn of AEEW2-2 sub division. | **Rs.15,86,875/-GST Rs.2,85,637/-Total Rs.18,72,512/-** | **Rs. 46,900/-** | As per e-procurement portal | 3 Months | KW-1 |

**<u>The Eligibility criterion for the above works allotted for General category is as follows:</u>**

- Contractors should have Civil Contractor registration in BWSSB or KPWD/KUWSDB, etc. Those who do not have BWSSB registration can also participate in the tender provided they should get registered in the Board in case the tender is awarded before the issue of Work Order
- Form of tender is mandatory to upload in e-procurement portal.
- Assessed available tender capacity = (A*N*2.5-B) should be greater than amount put to tender.
- The rates are based on CSR and is exclusive of GST.
- Third party will be nominated by BWSSB.
- The successful bidder would be required to give performance **bank guarantee of 5%** of the contract amount plus additional security for unbalanced bid amount from a Nationalized/Scheduled Indian Bank, with jurisdiction at Bangalore as specified, towards guarantee for completion of work within the stipulated period.
- Refer Annexure (A) enclosed along for jurisdiction of the courts and safety measures to be taken while executing the works as per letter No.BWSSB/EIC/CE(P)/0027/2016-17 Dt:10.04.2017 & further hereby informed to include the same in the contract agreement.

7. The tender is based on Single Cover System

8. Applications / requisitions from joint venture Firms are not acceptable.

9. Bangalore Water Supply and Sewerage Board (BWSSB) reserve the right to cancel or annul the entire or part of this process of invitation at any time without assigning any reason.

10. For any additional information regarding the above tender, the firms who are interested to quote, may contact office of the undersigned at the office address given below on all working days during office hours (10:30hours to 17:00 hours).

11. List of documents to support qualification of bidder is to be uploaded to the e-procurement website www.eproc.karnataka.gov.in

12. Bidders shall submit offers that comply with the requirements of the bid document, including the basic technical design as indicated in the drawing and specifications. Alternatives will not be considered. The attention of the bidders is drawn to clause 23 regarding the rejection of the bids, which are not substantially responsive to the requirement of the bid document.

13. Other details can be seen in the tender documents.

14. The works to be executed in accordance with the contract documents and to carry out all the works as per the guidelines in the "Draft Safety Manual for construction and maintenance of UGD Lines and septic tanks in Urban Areas -2013". Any lapses in following the safety guidelines, the contractor/agency/firm will be held solely responsible.

15. Cutting Road Surfaces for Pipe line trenches should be executed using machineries only.

Further details may be had from this office during the office hours on all working days. Corrigendum/Addendum/Modification/corrections, if any, will be published in the Web site only.

**Executive Engineer**
**(West-2) Division,**
**CA site No.04, SMV layout,**
**1st block, Bangalore-560 086.**

## SECTION 2: INSTRUCTIONS TO TENDERERS (ITT)

## TABLE OF CLAUSES


| | Pg.No |
|---|---|
| **A. GENERAL** | |
| **1.** Scope of Tender | 8 |
| **2.** Eligible Tenderers | |
| **3.** Tender capacity | |
| **B. TENDER DOCUMENTS** | 8-9 |
| **4.** Content of Tender Documents | |
| **5.** Amendment of Tender Documents | |
| **C. PREPARATION OF TENDERS** | 9-10 |
| **6.** Documents comprising the Tender | |
| **7.** Tender prices | |
| **8.** Tender Validity | |
| **9.** Earnest Money Deposit | |
| **10.** Format and Signing of Tender | |
| **D. SUBMISSION OF TENDERS** | 11-12 |
| **11.** Sealing and marking of tenders | |
| **12.** Deadline for submission of Tenders | |
| **13.** Late Tenders | |
| **14.** Modification and Withdrawal of Tenders | |
| **E. TENDER OPENING AND EVALUATION** | 12-14 |
| **15.** Tender Opening | |
| **16.** Process of the confidential | |
| **17.** Clarification of Tenders | |
| **18.** Examination of tenders and determination of responsiveness | |
| **19.** Correction of Errors | |
| **20.** Evaluation and Comparison of Tenders | |
| **F. AWARD OF CONTRACT** | 14-15 |
| **21.** Award criteria | |
| **22.** Employer’s right to accept any tender and to reject any or all tenders | |
| **23.** Notification of award and signing of agreement | |
| **24.** Security Deposit | |
| **25.** Corrupt or Fraudulent practices | |

## A. General

### 1. Scope of Tender

1.1 The ***Executive Engineer ( West)-2 Division*** (Referred to as Employer in these documents) invites tenders following Single cover e-procurement procedure, from eligible tenderers, for the construction of works (as defined in these documents and referred to as "the work") detailed in the Table given in the Invitation for Tenders (IFT).

### 2. Eligible Tenderers

2.1 Tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Government of Karnataka

2.2 **Tenders from Joint ventures are not acceptable.**

### 3. Tender Capacity

3.1 Eligible Tenderers will be qualified only if their capacity is more than the total tender value. The available tender capacity will be calculated as under:

**Assessed available tender capacity = (A*N*2.5– B)**

Where

A = Maximum value of civil works executed in any one year during the last five years (updated to
2021-22 price level) taking into account the complete as well as works in progress.

N = Number of years prescribed for completion of the works for which Tenders are Invited.

B = Value, at 2021-22 price level, of existing commitments and on-going works to be
Completed during the next **1 year.**

Note: *The statements showing the value of existing commitments and ongoing works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent.

3.2 Even though the tenderers meet the above criteria, they are subject to be disqualified if they have:

- Made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and/or

- participated in the previous Tender for the same work and had quoted unreasonably high tender prices and could not furnish rational justification.

## B. Tender documents

### 4. Content of Tender documents

4.1 The set of tender documents shall have all the Sections given in Page 2:

4.2 Both the sets should be completed and returned with the tender.

### 5. Amendment of Tender documents

5.1 Before the deadline for submission of tenders, the Employer may modify the tender documents by issuing addenda.

5.2 Any addendum thus issued shall be part of the tender documents and shall be communicated in writing or by cable to all the purchasers of the tender documents.

5.3 To give prospective tenderers reasonable time in which to take an addendum into account in preparing their tenders, the Employer shall extend as necessary the deadline for submission of tenders, in accordance with Sub-Clause 12.2 below.

## C. Preparation of Tenders

### 6. Documents comprising the Tender

6.1 The tender submitted by e-procurement by the Tenderer shall contain the document as following:

(a) Form of Tender (In the format indicated in Section 3).

(b) Scanned copy of Earnest Money Deposit payment.

(c) Priced Bill of Quantities.

(d) Scanned copies of Qualification Information as per formats given in Section 3;

and any other materials required to be completed and submitted by tenderers in accordance with these instructions. **The documents listed under Sections 3, 5 and 8 shall be filled in without exception.**

### 7. Tender prices

7.1 The contract shall be for the whole works as described in Sub-Clause 1.1, based on the priced Bill of Quantities submitted by the Tenderer.

7.2 The Tenderer shall fill in rates and prices and line item total (both in figures and words) for all Items of the Works described in the Bill of Quantities along with total tender price (both in figures and words).

Items for which no rate or price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the bill of Quantities. Corrections, if any, shall be made by crossing out, initialing, dating and rewrite.

7.3 All duties, taxes, and other levies payable by the contractor under the contract, or for any other cause, shall be included in the rates, prices and total Tender Price submitted by the Tenderer excluding GST. GST with be reimbursed at prevailing rates as applicable.

7.4 The rates and prices quoted by the Tenderer shall be fixed for the duration of the Contract and shall not be subject to adjustment on any account.

## 8. Tender validity

8.1 Tenders shall remain valid for a period not less than ninety days after the deadline date for tender submission specified in Clause 12. A tender valid for a shorter period shall be rejected by the Employer as non-responsive.

8.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the tenderers may extend the period of validity for a specified additional period. The request and the tenderers' responses shall be made in writing or by cable. A tenderer may refuse the request without forfeiting his earnest money deposit. A tenderer agreeing to the request will not be required or permitted to modify his tender, but will be required to extend the validity of his earnest money deposit for a period of the extension, and in compliance with Clause 9 in all respects.

## 9. Earnest money deposit

9.1 The Tenderer shall furnish, as part of his tender, earnest money deposit in the amount as shown in column 4 of the Table of IFT for this particular work. The EMD shall be submitted to the e-procurement portal on or before the time of submission mentioned in IFT. Photocopies of the documents should be not arised.

9.2 NIL.

9.3 Any tender not accompanied by an acceptable earnest money deposit and not secured as indicated in Sub-Clauses 9.1 and 9.2 above shall be rejected by the Employer as non-responsive.

9.4 The earnest money deposit of unsuccessful Tenderers will be returned within 30 days of the end of the tender validity period specified in Sub-Clause 8.1.

9.5 The earnest money deposit of the successful Tenderer will be discharged when the Tenderer has signed the Agreement and furnished the required Performance Security.

9.6 The earnest money deposit may be forfeited:

(a) If the Tenderer withdraws the Tender after tender opening during the period of tender validity;
(b) If the Tenderer does not accept the correction of the Tender Price, pursuant to Clause 19; or
(c) In the case of a successful Tenderer, if the Tenderer fails within the specified time limit to
(i) Sign the Agreement; or
(ii) Furnish the required Security deposit

## 10. Format and signing of Tender

10.1 The completed bid comprising of documents indicated in ITT 6, should be uploaded by accessing **Karnataka Government** website **www.eproc.karnataka.gov.in**through‘**e-procurement**” along with scanned copies of requisite certificates those are mentioned in different sections in the bid document and scanned copy of Bid Security/EMD in case it s provided in the form OTC, NEFT, Debit Card & Credit Card.

10.2 All the documents should be uploaded to the e-procurement portal. Tenderer should take a print out of the declaration letters provided in the section-3 on company letterhead and should sign, stamp and upload the same e-portal.

10.3 The tender shall contain no alterations or additions, except those to comply with instructions issued by the Employer, or as necessary to correct errors made by the Tenderer, in which case such corrections shall be initialed by the person signing the Tender.

## D. Submission of Tenders

## 11. Up-loading and Submission of Tenders

11.1 The Tenders should be uploaded only through e-procurement portal. Tender should contain

A. Technical tender consisting of following:

a. All the Documents with required details in prescribed format: those are mentioned in different sections in the Tender shall be downloaded, filled with required details, signed, scanned & uploaded to the e-procurement website **www.eproc.karnataka.gov.in** on or before the time and date indicated in notification/section I IFT.

b. **Tender Security**: Tender security can be paid in the form of OTC, NEFT, DEBIT CARD, and CREDIT CARD

The above documents along with notarized copies of documentary evidences as indicated in Section-II ITT, Section – III Qualification information & Form of Tender shall be scanned and uploaded to the website compulsorily, failing which tender will be rejected in view of incomplete bid documents and non-responsive.

B. **Financial Tender consisting of Bill of Quantities:**

The Tender shall down load the bill of quantities and key in the rates (in figures only) in the Bill of Quantities sheet and upload the same file on to the website on or before the time and date indicated in notification /section – I IFT.

## 12. Deadline for submission of the Tenders

12.1 Tenders must be received by the Employer at the address specified above no later than 17:00 hrs on . In the event of the specified date for the submission of tenders being declared a holiday for the Employer, the tenders will be received up to the appointed time on the next working day**.**

12.2 The Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with Clause 5, in which case all rights and obligations of the Employer and the Tenderers previously subject to the original deadline will then be subject to the new deadline.

## 13. Late Tenders

13.1 Any Tender received by the Employer after the deadline prescribed in Clause 12 will be returned unopened to the tender.

## 14. Modifications and Withdrawal of Tenders

14.1 Tenderers may modify and withdraw their tenders multiple numbers of times, until the deadline for submission of tenders by operating the relevant provision made in e-procurement. If the tenderer withdraws the tender before the deadline for submission of tenders and later if he is interested to submit the tender once again, may do so within the stipulated date & time as mentioned in Clause 12. In this case within the stipulated date and time, the tenderer can once again submit the requisition to the officer inviting tenders for access to withdrawn tender document for resubmission. For this tenderer need not make any additional payment towards the cost of tender document. Communication of modification/withdrawal by other means will not be accepted.

14.2 Deleted

14.3 No tender may be modified after the deadline for submission of tenders.

14.4 Withdrawal or modification of a tender between the deadline for submission of tenders

and the expiration of the original period of tender validity specified in Clause 8.1 above or

as extended pursuant to Clause 8.2 may result in the forfeiture of the earnest money deposit pursuant to clause 9.

14.5 Tenders may only offer discounts for individual items by simply modifying the quoted unit price in the Bill of Quantities. Also, Tenderer may enter their overall discount, at specified location in the Bill of Quantities only, by submitting tender modifications in accordance with this clause. Communication of discount by other means will not be accepted.

## E. Tender opening and evaluation

### 15. Tender Opening:

15.1 The Employer will open all the tenders received (except those received late), including modifications made pursuant to Clause 14, in the present of the Tenderers or their representatives who choose to attend at Date and time specified in Clause 12. In the event of the specified date of tender opening being declared a holiday for the employer, the tenders will be opened at the appointed time and location on the next working day.

15.2 WITHDRAWAL proposal submitted pursuant to clause 14 shall be read out first and their bids shall not be opened.

15.3 The tenderers names, the tender prices, the total amount of each tender, any discounts, Tender modifications and withdrawals, the presence or absence of earnest money deposit (amount, format and validity) the submission of qualification information and such other information as the Employer may consider appropriate will be announced by the employer at the opening. No tender shall be rejected at tender opening except for the late Tenders pursuant to Clause 13. Tenders (and modifications) sent pursuant to Clause 14 that are not opened and read out at Tender opening will not be considered for further evaluation regardless of circumstances.

15.4 The Employer shall prepare minutes of the Tender opening, including the information disclosed to those present in accordance with Sub-Clause 15.3.

### 16. Process to be confidential

16.1 Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has

been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.

## 17. Clarification of Tenders

17.1 To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Tenders in accordance with Clause 19.

17.2 Subject to sub-clause 17.1, no Tenderer shall contact the Employer on any matter relating to its Tender from the time of the Tender opening to the time the contract is awarded. If the Tenderer wishes to bring additional information to the notice of the Employer, it should do so in writing.

17.3 Any effort by the Tenderer to influence the Employer in the Employer’s Tender evaluation, Tender comparison or contract award decisions may result in the rejection of the Tenderers’ Tender.

## 18. Examination of Tenders and determination of responsiveness

18.1 Prior to the detailed evaluation of Tenders, the Employer will determine whether each Tender (a) meets the eligibility criteria defined in Clause 2; (b) has been properly signed; (c) is accompanied by the required earnest money deposit and; (d) is substantially responsive to the requirements of the Tender documents.

18.2 A substantially responsive Tender is one which conforms to all the terms, conditions, and specifications of the Tender documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the Tender documents, the Employer’s rights or the Tenderers obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Tenderers presenting substantially responsive Tenders.

18.3 If a Tender is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

## 19. Correction of errors

19.1 Tenders determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:

a. where there is a discrepancy between the rates in figures and in words, the lower of the two will govern; and

b. where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern.

19.2 The amount stated in the tender will be adjusted by the Employer in accordance with the above procedure for the correction of errors and, with the concurrence of the tenderer, shall be considered as binding upon the tenderer. If the tenderer does not accept the corrected amount the tender will be rejected, and the earnest money deposit may be forfeited in accordance with sub-clause 9.6 (b).

## 20. Evaluation and comparison of Tenders

20.1 The Employer will evaluate and compare only the tenders determined to be substantially responsive in accordance with clause 18.

20.2 In evaluating the tenders, the employer will determine for each tender the evaluated tender price by adjusting the tender price as follows:

a. Making any correction for errors pursuant to clause 19; and

b. Making appropriate adjustments to reflect discounts or other price modifications offered in accordance with sub clause 14.5

20.3 The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors, which are in excess of the requirements of the tender documents or otherwise result in unsolicited benefits for the Employer shall not be taken into account in tender evaluation.

20.4 Deleted

20.5 If the tender of the successful tender is seriously unbalanced in relation to the Employer's estimate of the cost of the work to be performed under the contract, the Employer may require the Tenderer to produce detailed price analysis for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that amount of the performance security set forth in Clause 25.1 be increased at the expense of the successful tenderer to a level sufficient to protect the Employer against financial loss in the event of default of the successful under the contract.

# F. Award of Contract

## 21. Award criteria

21.1 Subject to Clause 22, the Employer will award the Contract to the Tenderer whose Tender has been determined to be substantially responsive to the Tender documents and who has offered the lowest evaluated Tender Price,

provided that such Tenderer has been determined to be (a) eligible in accordance with the provisions of Clause 2, and (b) qualified in accordance with the provisions of Clause 3.

**22. Employer's right to accept any Tender and to reject any or all Tenders**

22.1 Notwithstanding Clause 21, the Employer reserves the right to accept or reject any Tender, and to cancel the Tender process and reject all Tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for the Employer's action.

**23. Notification of award and signing of Agreement**

23.1 The Tenderer whose Tender has been accepted will be notified of the award by the Employer prior to expiration of the Tender validity period by cable, telex or facsimile confirmed by registered letter. This letter (hereinafter and in the Conditions of Contract called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

23.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of a performance security in accordance with the provisions of Clause 24.

23.3 The Agreement will incorporate all agreements between the Employer and the successful Tenderer. It will be kept ready for signature of the successful Tenderer in the office of Employer within 30 days following the notification of award along with the Letter of Acceptance. Within 20 days of receipt, the successful Tenderer will sign the Agreement and deliver it to the Employer.

23.4 Upon the furnishing by the successful Tenderer of the Security deposit, the Employer will promptly notify the other Tenderers that their Tenders have been unsuccessful.

**24. Security deposit**

24.1 Within 20 days of receipt of the Letter of Acceptance, the successful Tenderer shall deliver to the Employer a Security deposit in any of the forms given below for an amount equivalent to 5% of the Contract price plus additional security for unbalanced tenders in accordance with Clause 20.5 of ITT and Clause 44 of the Conditions of Contract. :

- **-**Cash or Banker’s cheque/Demand draft / Bank Guarantee in favour of **The Chairman BWSSB,** from Nationalized /Scheduled Indian Bank payable at Bangalore.
- A bank guarantee from a Nationalized/ pledged/scheduled Indian Bank in the form given in Section 10; or

- Specified Small Savings Instruments pledged to BWSSB

24.2 The security deposit if furnished in cash or demand draft can, if requested, be converted to interest bearing securities at the cost of the contractor.

24.3 Failure of the successful Tenderer to comply with the requirements of Sub-Clause 25.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Earnest money deposit.

## 25. Corrupt or Fraudulent practices

25.1 The GOK requires that the Tenderers/Suppliers/Contractors, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, GOK:

(a) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(b) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a GOK contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a GOK contract.

25.2 Furthermore Tenderers shall be aware of the provision stated in sub-clause 43.2 of the Conditions of Contract.

## SECTION 3:

## *FORMS OF TENDER, AND QUALIFICATION INFORMATION*

**TABLE OF FORMS:** **Pg.No.**


- **FORM OF TENDER** **17**
- **QUALIFICATION INFORMATION** **18-19**
- **LETTER OF ACCEPTANCE** **20**
- **NOTICE TO PROCEED WITH THE WORK** **20**
- **AGREEMENT FORM** **21-22**

## Form of Tender

**Description of the Works:** "Supplying, installation commissioning of two electromagnetic induction bulk flow meters approved make to the feeder mains near KLE law college, SMV layout 6th block coming under SMV-1 s/stn of AEEW2-2 sub division."

**To,**

The Executive Engineer, BWSSB,
( West-2) Division,
CA site No.04, SMV layout,
1st block, Bangalore-56.

Sir,

We offer to execute the Works described above in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of _____(In figures) (_____) (In letters).

This Tender and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any Tender you receive.

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We hereby confirm that this Tender complies with the Tender validity and Earnest money deposit required by the Tenderer documents.

We attach herewith our current income-tax clearance certificate.

Yours faithfully,

Authorize Signature: _____

Name & Title of Signatory: _____

Name of Tenderer: _____

Address: _____

_____
To be filled in by the Tenderer, together with is particulars and date of submission at the bottom of the Form of Tender

**[NOTE :Tenderer shall down load this page, fill the gaps with signature, scan the sheet & upload to the website. Failing which the tender will be treated as non-responsive]**

## Qualification Information

The Following form is to be downloaded, particulars are to be filled, scanned and uploaded by the Bidder, to **website: www.eproc.karnataka.gov.in** along with the Bid.

Note: The detailed procedure for downloading/uploading the documents will be available in Help Wizard, Vendor manual & FAQ of the above mentioned website.

The information to be filled in by the Tenderer hereunder will be used for purposes of computing Tender capacity as provided for in Clause 3 of the Instructions to Tenderers. This information will not be incorporated in the Contract.

1.1 Constitution or legal status of Tenderer [Attach copy] (Attach Copy)

Place of Registration

_____

(Attach Copy)

Principal place of business:

_____

1.2 Total value of civil engineering works executed 2017-18_____

and payments received in the last five years (in Rs. Lakhs 2018-19 _____

(Profit/loss statement with balance sheets 2019-20_____

certified by CA to be enclosed) 2020-21_____

2021-22_____

1.3 Information on works for which Tenders have been submitted and works which are yet to be completed as on the date of this Tender.

(A) Existing commitments and on-going works: (To be uploaded mandatory)

| Description of work | Place & Stat | Contract No. & | Name & Addres | Value of Contr | Stipulated period Completi | Value of Works | Anticipated Date of |
|---|---|---|---|---|---|---|---|

| | e | Date | s of Employer | act (Rs. Lakhs) | on | remaining to be complete (Rs. Lakhs) | Completion |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

(B) Works for which Tenders already submitted:(To be uploaded mandatory)

| Description of work | Place & State | Name & Address of Employer | Estimated Value of Works (Rs. Lakhs) | Stipulated Date period of Completion | Date When decision is expected | Remarks if any |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | | | | |

1.4 Name, address, and telephone, telex, and fax numbers of the Tenderers' bankers who may provide references if contacted by the Employer.

## Letter of Acceptance

**To: _____**

(Name and Address of the Contractor)

Dear Sirs,

This is to notify you that your Tender dated_____for execution of the _____(name of the contract and identification number, as given in the instructions to Tenderers) for the Contract Price of Rupees_____(_____) (amount in words and figures), as corrected and modified in accordance with the Instructions to Tenderers is hereby accepted by your Agency.

You are hereby requested to furnish Security deposit, in the form detailed in Para 24.1 of ITT for an amount of Rs……within 20 days of the receipt of this letter of acceptance valid upto 30 days from the date of expiry of Defects Liability Period i.e. upto……and sign the contract, failing which action as stated in Para 24.3 of ITT will be taken.

Yours faithfully,

Authorized Signature
Name and Title of Signatory
Name of the Agency.

`

……

**Issue of Notice to proceed with the work**

To

_____ (name and address of the Contractor)

Dear Sirs:

Pursuant to your furnishing the requisite security deposit as stipulated in ITT Clause 24.1 and signing of the contract agreement for the construction of ----------(Name of the Contract) a Tender Price of Rs……., you are hereby instructed to proceed with the execution of the said works in accordance with the contract documents.

Yours faithfully,

(Signature, name and title of signatory authorized to sign on behalf of Employer)

**Agreement Form**

**Agreement**

This agreement, made the _____day of _____20_____, between_____ _ [name and address of Employer] (hereinafter called “the Employer”) of the one part and _____ _____[name and address of contractor] (hereinafter called “the Contractor”) of the other part.

Whereas the Employer is desirous that the Contractor execute _____ _____ [ name and identification number of Contract] (hereinafter called “the Works”) and the Employer has accepted the Tender by the Contractor for the execution and completion of such Works and the remedying of any defects therein at a contract price of Rupees……

**NOW THIS AGREEMENT WITNESSETH as follows:**

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.

2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.

3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:

   i) Letter of Acceptance;
   ii) Notice to proceed with the works;
   iii) Contractor's Tender;
   iv) Contract Data;
   v) Conditions of contract (including Special Conditions of Contract);
   vi) Specifications;
   vii) Drawings;
   viii) Bill of Quantities; and
   ix) Any other document listed in the Contract Data as forming part of the contract.

**5. The details of jurisdiction of the courts and safety measures included in the contract agreement are as mentioned in Annexure - A**

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of _____
was hereunto affixed in the presence of:

Signed, Sealed and Delivered by the said _____
_____

in the presence of:

Binding Signature of Employer _____
_____

Binding Signature of Contractor _____

## SECTION 4: CONDITIONS OF CONTRACT

**Table of Contents** **Pg.No.**

**A. General** **25-28**

1.Definitions
2.Interpretation
3.Law governing contract
4.Employers decision
5.Delegation

6.Communications
7.Subcontracting
8.Other Contractors
9.Personnel
10.Employer's and Contractor's risks
11.Employer's risks
12.Contractor's risks
13. Deleted
14. Deleted
15.The Works to be completed by Intended Completion Date
16.Safety
17.Discoveries
18.Possession of the Site
19.Access to the Site
20.Instructions.

**B. Time Control** **29**

21. Program
22.Extension of the Intended Completion Date
23.Delays ordered by the Employer
24.Management meetings

**C. Quality Control** **29-30**

26. Identifying defects
27. Correction of defects
28. Uncorrected defects

D. **Cost Control** **30-33**

29.Bill of Quantities (BOQ)
30.Variations
31.Payment for Variations
32.Submission of bills for payment
33.Payments
34.Compensation events
35.Tax
36. Liquidated damages
37.Cost of repairs

**E. Finishing of Contract** **33-35**

38.Completion
39. Taking Over
40.Final Account
41.As built drawings
42.Termination
43. Payment upon termination
44.Property

45. Release from performance

**F. Special Conditions of Contract 35-36**

## Conditions of Contract

### A. General

### 1. Definitions

1.1 Terms which are defined in the Contract Data are not also defined in the Conditions of Contract but keep their defined meanings. Bold letters are used to identify defined terms.

**Bill of Quantities** means the priced and completed Bill of Quantities forming part of the Tender.

**Compensation events** are those defined in Clause 34 hereunder.

The **Completion Date** is the date of completion of the Works as certified by the Employer in accordance with Sub Clause38.1.

The **Contract** is the contract between the Employer and the Contractor to execute, complete and maintain the Works. It consists of the documents listed in Clause 2.3 below.

The **Contract Data** defines the documents and other information which comprise the Contract.

The **Contractor** is a person or corporate body whose Tender to carry out the Works has been accepted by the Employer.

The **Contractor's Tender** is the completed Tender document submitted by the Contractor to the Employer.

The **Contract price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.

**Days** are calendar days; **months** are calendar months.

A **Defect** is any part of the Works not completed in accordance with the Contract.

The **Defects liability period** is the period named in the Contract Data and calculated from the Completion Date.

The **Employer** is the party who will employ the Contractor to carry out the Works.

**Equipment** is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.

The **Initial Contract price** is the Contract Price listed in the Employer's Letter of Acceptance.

The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Employer by issuing an extension of time.

**Materials** are all supplies, including consumables, used by the contractor for incorporation in the Works.

**Plant** is any integral part of the Works which is to have a mechanical, electrical, electronic or chemical or biological function.

The **Site** is the area defined as such in the Contract Data.

**Specification** means the Specification of the Works included in the Contract and any modification or addition made or approved by the Employer.

The **Start Date** is given in the Contract Data. It is the date when the Contractor shall commence execution of the works. It does not necessarily coincide with any of the Site Possession Dates.

A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract which includes work on the Site.

A **Variation** is an instruction given by the Employer which varies the Works.

The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

## 2. Interpretation

2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Employer will provide instructions clarifying queries about the Conditions of Contract.

2.2 The documents forming the Contract shall be interpreted in the following order of priority:

(1) Agreement
(2) Letter of Acceptance, notice to proceed with the works
(3) Contractor’s Tender
(4) Contract Data
(5) Conditions of Contract
(6) Specifications
(7) Drawings
(8) Bill of quantities and

(9) any other document listed in the Contract Data as forming part of the Contract.

## 3. Law governing contract

3.1 The law governing the Contract is the Laws of India supplanted by the Karnataka Local Acts.

## 4. Employer's decisions

4.1 Except where otherwise specifically stated, the Employer will decide contractual matters between the Employer and the Contractor.

## 5. Delegation

5.1 The Employer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

## 6. Communications

6.1 Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

## 7. Subcontracting

7.1 The Contractor may subcontract with the approval of the Employer but may not assign the Contract without the approval of the Employer in writing. Subcontracting does not alter the Contractor's obligations.

## 8. Other Contractors

8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer.

## 9. Personnel

9.1 The Contractor shall employ the technical personnel (of number and qualifications) as may be stipulated by GOK from time to time during the execution of the work. The technical staff so employed shall be available at site as may be stipulated by the Employer.

9.2 If the Employer asks the Contractor to remove a person who is a member of the Contractor’s staff or his work force stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

## 10. Employer’s and Contractor's risks

10.1 The Employer carries the risks which this Contract states are Employer’s risks, and the Contractor carries the risks which this Contract states are Contractor’s risks.

## 11. Employer's risks

11.1 The Employer is responsible for the excepted risks which are

(a) in so far as rebellion, riot commotion or disorder or

(b) a cause due solely to the design of the Works, other than the Contractor’s design.

## 12. Contractor’s risks

12.1 All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

## 13. Queries about the Contract Data

**13.1** The Employer will clarify queries on the Contract Data.

## 14. Contractor to construct the Works

14.1 The Contractor shall construct the Works in accordance with the Specification and Drawings.

## 15. The Works to be completed by the Intended Completion Date

15.1 The Contractor may commence execution of the Works on the Start Date and complete them by the Intended Completion Date.

## 16. Safety

16.1 The Contractor shall be responsible for the safety of all activities on the Site.

## 17. Discoveries

17.1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the Employer. The Contractor is to notify the Employer of such discoveries and carry out the Employer's instructions for dealing with them.

## 18. Possession of the Site

18.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be Compensation Event.

**19. Access to the Site**

19.1 The Contractor shall allow the Employer and any person authorized by the Employer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured/fabricated/assembled for the works.

**20. Instructions.**

20.1 The Contractor shall carry out all instructions of the Employer which comply with the applicable laws where the Site is located.

## B. Time Control

**21. Program.**

21.1 Within the time stated in the Contract Data the Contractor shall submit to the Employer for approval a Program showing the general methods, arrangement, order, and timing for all the activities in the Works.

21.2 The Employer's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Employer again at any time. A revised Program is to show the effect of Variations and Compensation Events.

**22. Extension of the Intended Completion Date**

22.1 The Employer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which make it impossible for Completion to be achieved by the Intended Completion Date.

22.2 The Employer shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Employer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information.

**23. Delays ordered by the Employer**

23.1 The Employer may instruct the Contractor to delay the start or progress of any activity within the Works.

**24. Management meetings.**

**24.1** The Employer may require the Contractor to attend a management meeting. The business of a management meeting shall be to review the progress achieved and the plans for remaining work.

**24.2** The responsibility of the parties for actions to be taken is to be decided by the Employer either at the management meeting or after the management meeting and stated in writing to be distributed to all who attended the meeting.

## C. Quality Control

**25. Identifying defects:**

25.1 The Employer shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Employer may instruct the Contractor to search for a Defect and to uncover and test any work that the Employer considers may have a Defect.

**26. Tests**

26.1 The Employer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect the test shall be a Compensation Event.

**27. Correction of defects**

27.1 The Employer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for a long as Defects remain to be corrected.

27.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Employer's notice.

**28. Uncorrected defects**

28.1 If the Contractor has not corrected a Defect within the time specified in the Employer's notice, the Employer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

## D. Cost Control

### 29. Bill of Quantities (BOQ)

29.1 The BOQ shall contain items for the construction, installation, testing, and commissioning work to be done by the Contractor.

29.2 The BOQ is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the BOQ for each item.

### 30. Variations

30.1 The Employer shall have power to order the Contractor to do any or all of the following as considered necessary or advisable during the progress of the work by him.

(a) Increase or decrease of any item of work included in the Bill of Quantities (BOQ):

(b) Omit any item of work:

(c) Change the character or quality or kind of any item of work

(d) Change the levels, lines, positions and dimensions of any part of the work:

(e) Execute additional items of work of any kind necessary for the completion of the works; and

(f) Change in any specified sequence, methods or timing of construction of any part of the work.

30.2 The Contractor shall be bound to carry out the work in accordance with any instructions in this connection, which may be given to him in writing by the Employer and such alteration shall not vitiate or invalidate the contract**.**

30.3 Variations shall not be made by the Contractor without an order in writing by the Employer, provided that no order in writing shall be required for increase or decrease in the quantity of an item appearing in the BOQ so long as the work executed conforms to the approved drawing.

30.4 The Contractor shall promptly request in writing the Employer to confirm verbal orders and if no such confirmation is received within 15 days of request, it shall be deemed to be an order in writing by the Employer.

### 31. Payments for Variations

31.1 Payment for increase in the quantities of an item in the BOQ up to 25% of that provided in the Bill of Quantities shall be made at the rates quoted by the Contractor.

31.2 For quantities in excess of 125% of the tendered quantity of an items given in the BOQ the Contractor shall be paid at the rate entered in or derived from in the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract.

31.3 If there is no rate for the additional, substituted or altered item of the work in the BOQ, efforts would be made to derive the rates from those given in the BOQ or the Schedule of Rates (Applicable for the area of the work and current at the time of award of contract) and if found feasible the payment would be made at the derived rates for the item plus or minus the overall percentage of the original tendered rates over the current Schedule of Rat6es prevalent at the time of award of contract.

31.4 If the rates for additional, substituted or altered item of work cannot be determined either as at 31.1 or 31.2 or 31.3 above, the Contractor shall be requested to submit his quotation for the items supported by analysis of the rate or rates claimed, within 7 days.

31.5 If the Contractor’s quotation is determined unreasonable, the Employer may order the Variation and make a change to the Contract Price which shall be based on Employer’s own forecast of the effects of the Variation on the Contractor’s costs.

31.6 If the Employer decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.

31.7 Under no circumstances the Contractor shall suspend the work on the plea of non-settlement of rates for items falling under this Clause.

## 32. Submission of bills for payment

32.1 The Contractor shall submit to the Employer monthly bills of the value of the work completed less the cumulative amount paid previously.

32.2 The Employer shall check the Contractor’s bill and determine the value of the work executed which shall comprise of (i) value of the quantities

of the items in the BOQ completed and (ii) valuation of Variations and Compensation Events.

32.3 The Employer may exclude any item paid in a previous bill or reduce the proportion of any item previously paid in the light of later information.

## 33. Payments

33.1 Payments shall be adjusted for deductions for retention, other recoveries in terms of the contract and taxes, at source, as applicable under the law. The Employer shall pay the Contractor the within 60 days of submission of bill.

33.2 Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

## 34. Compensation events

34.1 The following are Compensation event unless they are caused by the Contractor:

(a). The Employer does not give access to a part of the Site by the Site Possession Date stated in the Contract Data.

(b) The Employer orders a delay or does not issue drawings, specifications or instructions required for execution of works on time.

(c) The Employer instructs the Contractor to uncover or to carry out additional tests upon work which is then found to have no Defects.

(d) The Employer gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.

(e) The effect on the Contractor of any of the Employer's Risks.

(f) The Employer unreasonably, delays issuing a Certificate of Completion.

(g) Other Compensation Event listed in the Contract Data or mentioned in the Contract.

34.2 If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date is extended. The Employer shall decide whether and by how much the

Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.

34.3 As soon as information demonstrating the effect of each Compensation event upon the Contractor's forecast cost has been provided by the Contractor, it is to be assessed by the Employer and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Employer shall adjust the Contract Price based on Employer's own forecast. The Employer will assume that the Contractor will react competently and promptly to the event.

34.4 The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor not having given early warning or not having cooperated with the Employer.

## 35. Tax

35.1 All duties, taxes, and other levies payable by the contractor under the ocnst4act, or for nay other cause, shall be included in the rates, prices and total Tender price submitted by the Teendere excluding GSG, GST will be reimbursed at prevailing rates as applicable. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.

## 36. Liquidated damages

36.1 The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the Contract Data for each day that the Completion Dates later than the Intended Completion Date. The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payments due to the Contractor; Payment of liquidated damages does not affect the Contractor's liabilities.

36.2 If the Intended Completion Dates extended after liquidated damages have been paid, the Employer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment of bill.

## 37. Cost of repairs

37.1 Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

## E. Finishing the Contract

### 38. Completion

38.1 The Contractor shall request the Employer to issue a Certificate of Completion of the Works and the Employer will do so upon deciding that the Work is completed.

### 39. Taking over

39.1 The Employer shall take over the Site and the Works within seven days of issuing a certificate of Completion.

### 40. Final account

40.1 The Contractor shall supply to the Employer a detailed account of the total amount that the Contractor considers payable under the Contact before the end of the Defects Liability Period. The Employer shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 90 days of receiving the Contractor's account if it is correct and complete, If it is not, the Employer shall issue within 90 days a Schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Employer shall decide on the amount payable to the Contractor and make payment within 60 days of receiving the Contractor's revised account.

### 41. As built drawings

41.1 If "as built" Drawings are required, the Contactor shall supply them by the dates stated in the Contract Data.

41.2 If the Contractor does not supply the Drawings by the dates stated in the Contract Data, or they do not receive the Employer's approval, the Employer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

### 42. Termination

42.1 The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.

42.2 Fundamental breaches of Contract include, but shall not be limited to the following:

a) The Contractor stops work for 45 days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Employer.

b) The Employer instructs the Contractor to delay the progress of the Works and the instruction is not withdrawn within 60 days.

c) The Contractor becomes bankrupt or goes into liquidation other than for a reconstruction or amalgamation:

d) A payment due to the Contractor is not paid by the Employer within 90 days of the date of the submission of the Bill by Contractor:

e) The Employer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Employer;

f) The Contractor does not maintain a security which is required:

g) The Contractor has delayed the completion of works by the number o days for which the maximum amount of liquidated damages can be paid as defined in the Contract data; and

h) if the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in the executing the Contract.
For the purpose of this paragraph:"corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution. "Fraudulent practice" means a misrepresentation of acts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition".

42.3 When either party to the Contract gives notice of a breach of contract to the Employer for a cause other than those listed under Sub-Clause 42.2 above, the Employer shall decide whether the breach is fundamental or not.

42.4 Notwithstanding the above, the Employer may terminate the Contract for convenience.

42.5 If the Contract is terminated the Contractor shall stop work immediately, take the Site safe and secure and leave the Site as soon as reasonably possible.

## 43. Payment upon Termination

43.1 If the Contract is terminated because of a fundamental breach of contract by the Contractor, the Employer shall prepare bill for the value of the work done less advance payments received up to the date of the bill, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor the difference shall be a debt payable to the Employer.

43.2 If the Contract is terminated at the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Employer shall prepare ill for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and Contractor's costs of protecting and securing the Works and less advance payments received upto the dateof the certificate, less other recoveries due in terms of the contract, and less taxes due to be deducted at source as per applicable law and make payment accordingly.

## 44. Property.

44.1 All materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the property of the Employer, if the Contract is terminated because of a Contractor's default.

## 45. Release from performance

45.1 If the Contractor is frustrated by any event entirely outside the control of either the Employer or the Contractor the Employer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which commitment was made.

# F.Special Conditions of Contract

## 1. Labour:

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.

The Contractor shall, if required by the Employer, deliver to the Employer a return in detail, in such form and at such intervals as the Employer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Employer may require.

2. **Compliance with labour regulations:**

During continuance of the contract, the Contractor and his sub contractors shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amount as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, Employer shall have the right to deduct any money due to the Contractor including his amount of security deposit. The Employer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor and the Sub-Contractor in no case shall be treated as the employees of the Employer at any point of time.

1. **Protection of Environment:**

The contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation. During continuance of the contract, the contractor and his sub-contractors shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed

or notification that may be issued in this respect in future by the State or Central Government or the local authority.

## SECTION5: CONTRACT DATA

**Items marked "N/A" do not apply in this Contract.**

The following documents are also part of the Contract:

Clause Reference

The Employer is [1.1] :Engineer in chief

Address : 2nd floor, Cauvery Bhavan
Bangalore.

Name of authorized Representative: Executive Engineer (W)-2 Division,
CA site No.04, SMV layout, 1st block
Bangalore-560 056.

The name and identification number of the contract is: "Supplying, installation commissioning of two electromagnetic induction bulk flow meters approved make to the feeder mains near KLE law college, SMV layout 6th block coming under SMV-1 s/stn of AEEW2-2 sub division.."

The Works consist of: Supplying, installation commissioning of two electromagnetic induction bulk flow meters approved make to the feeder mains

The start date shall be the date of issue of notice to proceed with the work [1.1]

The Intended Completion Date for the whole of the Works is 3 Months. [15,22]

The following documents also form part of the Contract: [2.2]

The Site Possession Date is: Date of work order
[18]

The Site is located at: at near KLE law college, SMV layout 6th block coming under SMV-1 s/stn of AEEW2-2 sub division.

[1.1]
The Defects Liability Period is 365 days
[27]

The liquidated damages for the whole of the works are Rs.0.1% of contract price per day [36]

The maximum amount of liquidated damages for the whole of the work [36]
is ten percent of final contract price.

The date by which “as-built” drawings (in scale 1:200) in 2 Sets are required is within [41]
30 days of issue of certificate of completion.

The amount to be withheld for failing to supply “as built” drawings by the date required [41]
Is Rs. 50,000/-

The following events shall also be fundamental breach of the contract:
[42.2]

1. The contractor has contravened Sub-clause 7.1 and Clause 9 of CC.

The percentage to apply to the value of the work not completed representing the [43.1]
Employer’s additional cost for completing the works shall be 30 percent.

**EE**

**(W)-2**

**SECTION 6:**

**TECHNICAL SPECIFICATIONS**

**I GENERAL**

## 1.1 Scope of work

The scope of work under this contract includes the following

1.1.1 All work shall be done as per the specification, The works shall include providing all materials, equipment, labor, tools, plant, transport etc., and all other services necessary for the complete construction including necessary sub-soil investigation.

1.2 Royalties - APPLICABLE AS PER RULES.

### 1.3 Site Order Book

1.3.1 The contractor shall maintain an identical pair of site order Books ( one marked original and the other marked duplicate), at the site at all times during the execution of the works for the use of the Engineer and the contractor, All instruction

issued by the Engineer to the Contractor shall be recorded on both sets of the site order book and shall be signed by the issuer and countersigned by the contractor. After compliance with the instruction, the contractor shall record the same in both sets of the site order book duly signed and counter signed by the Engineer, Acceptance of any part of the work executed by the contractor shall be subject to verification with respect to compliance of respective instruction of the Engineer through the site order Book. The Engineer shall retain the original copy of the site order book, while the contractor shall retain the duplicate one.

### 1.4 Technical Specification

1.4.1 Engineer shall have the right to modify/alter the particular Specification and or standard specification at any time which promise to confer equal or better quality than the standard specified in the tender document, Such modification or alteration shall be acceptable to the contractor subject to no additional financial burden to either the contractor or the employer.

## 2. Safety measures

The contractor shall provide adequate safety measures during excavation. They shall include.

1. Barricading all sides of the open trenches.
2. Red danger lights which can be easily visible from dusk to dawn placed at an interval of 20mm
3. Traffic signals and display boards giving direction of traffic at the appropriate places as may be directed by the Engineer.
4. Adequate safe wooden plank/board or steel plate over the trenches to facilitate crossing by the public residing on either side of the trench.
5. Round the clock watch and ward maintaining all safety regulations at the site of work and protecting the site from unauthorized instructions.

IV BCK FILLING: AS per IS

3. Ordinary Concrete

In case of ordinary concrete, mix is not required to be designed by preliminary tests and proportions of cement, fine aggregates and coarse aggregates are specified by volume. The ordinary concrete shall be in four grades designated as M-7.5, M10, M15 and M20. It can be specified by volumetric mix as given in Table-4 below. For cement which normally comes in bags and is used by weight, volume shall be worked out taking 50 Kg of cement as 0.035 cubic meters in volume. Shaking, ramming or hammering shall not be done. Proportioning of

sand shall be as per its dry volume and in case it is damp, allowance for 'bulkage' shall be made as per IS : 2386(Part III).

Ingredients required for ordinary concrete containing one bag of cement for different proportions of mix shall be as given in Table-4 below.

1. Strength Requirement of Concrete.
   Where ordinary Portland cement confirming to IS.269 or portland blast Furnace cement conforming to IS : 455 is used, the compressive strength requirements for various grades of concrete controlled as wellas ordinary shall be as given in table-5. Where rapid hardening Portland cement is used , the 28days compressive strength requirements specified in Table be met at 7days.
   For controlled concrete, the mix shall be so designed as to attain in preliminary tests a strength at least 33per cent higher than that required on work tests for concrete up to and including M25, and 25per cent higher for higher grades. Preliminary tests nee not be made in case of 'ordinary concrete'.

TABLE-5
Strength Requirements

| Grade of concrete | Comprehensive test strength on 150mm cubes after testing in accordance with IS:516 (N/sq.mm) | |
|---|---|---|
| | Minimum at 7days | Minimum at 28 days |
| M10 | 7 | 10 |
| M15 | 10 | 15 |
| M20 | 13.5 | 20 |
| M25 | 17 | 25 |

In all cases, the 28 days compressive strength specified in Table-5 shall alone be the criterion for acceptance or rejection of the concrete.

Where the strength of a concrete mix, as indicated by tests, lies in between the strength for any two grades specified in table-5, such concrete shall be classified for all purposes as a concrete belonging to the lower of the two grades between which its strength lies.

1. Use of plums in ordinary concrete.

Stone plums shall not be used unless specified in the drawings, when stone plums are used, the size may be from 150 to 300mm. The Maximum dimension of these stones or plums shall not exceed 1/3$^{rd}$ the least dimension of the member.

All plums shall be hard, durable, clean and free from soft materials or loose pieces or deleterious substances in the and shall not have sharp corners.

During concreting the first Layer of concrete of the specified mix shall be laid to a thickness of at least two and a half times the thickness of the maximum size of plums to be used, The plums shall then be laid while the top portion of this concrete is still green but sufficiently stiff to preventcomplete submergence of the plums under their own weight. These plums shall be about half embedded in the concrete and the remaining part exposed so as to form a key with the next year of concrete, No plums shall be used for concrete – laid under water.

While placing the plums, care shall be taken to see that the clear distance between any two plums is not less than either the width or thickness of either of the plums. The distance from plums to the outer surface or from any steel reinforcement shall be equal to greatest width of the plum.

If plums of stratified stone are used, they shall be laid on their natural bed, stones with concave faces shall be laid with the concave faces shall be laid with the concave portion upwards, the thickness of the next and successive layers of concrete shall be at least twice that of the largest plums, The total volume of plums shall not exceed 15% of the volume of the finished concrete.

## SECTION 7: Drawings

## SECTION 8: BILL OF QUANTITIES

| | | | | Rate (Rs) | | |
|---|---|---|---|---|---|---|
| Sl. No | Description of item (with brief specification and reference to Book of specification) | Quantity | Unit | In figures | In words | Amount (Rs) |
| | | | | | | |
| **Total Tender Price (in figures)** | | | | | | |
| **(in words)** | | | | | | |

**Note:**

(1) Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities (refer: ITB Clause 7.2 and CC Clause 33.2).

(2) Unit rates and prices shall be quoted by the Tenderer in Indian Rupees.

(3) Where there is a discrepancy between the rate in figures and words, the lower of the two will govern. [ITB Clause 19.1(a)]

(4) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by quantity, the unit rate quoted shall govern [ITB Clause 19.1 (b)]

## FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT

To: _____ [name of Employer]

_____ [address of Employer]

WHEREAS _____ [name and address of Contractor] (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. _____ dated _____ to execute _____ [name of Contract and brief description of Works] (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs._____ [amount of guarantee] [1]Rupees_____[in words], and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of -_____ [amount of guarantee][2]as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 30 days from the date of expiry of the Defects Liability Period.

Signature and seal of the guarantor _____

Name of Bank _____

Address _____

Date _____

_____

1

2

# ANNEXURE-A

## DETAILS OF JURISDICTIONS OF THE COURTS AND SAFETY MEASURES TO BE INCLUDED IN THE CONTRACT AGREEMENT

1) Jurisdiction of Courts/Arbitration: The sitting of arbitration shall be held at Bangalore only and nowhere else.

2) Dispute of any kind arising out of the contract shall be resolved within the jurisdiction of Bangalore City only and the parties agree and clearly understand that the courts/tribunals situated at Bangalore Metropolitan City have exclusive jurisdiction for the redressal of the disputes arising out of the contract and at no other place.

3) The parties further agree and understand that the place or places of issue of bank guarantee other than Bangalore will have no jurisdiction to resolve dispute of any kind relating to enforcement of the bank guarantees submitted by the contractor at Bangalore for the execution of the contract at Bangalore.

4) The contractor shall comply with all the legal requirements in the matter of employment of workmen and provide all safety gadgets to the workmen while working in the hazards place or conditions during the execution of the contract.

5) Contractor shall be fully responsible in the event of death of employee/workman during the execution of the work and liable to pay adequate compensation to the dependants of employee/workman as per law.

6) On his/their failure, if the Board is made to pay compensation the same shall be recovered by the Board from the contractor out of the amounts due to the contractor or by appropriate legal action.

7) If death of any employees occurs during execution of work due to negligence of contractor, the contract will be liable for termination.

8) In the event of such termination, the employer may consider blacklisting of firm aaer due notice.

9) In case of any death or accident the contract will be cancelled after following due process.

The Board will be entitled to claim exemplary damaged from the contractor in case of death of any work man/employees of the contractor in any of the BWSSB works as it damages the reputation of the Board.